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INFORMATION DISCLOSURE **STATEMENT BY APPLICANT** 

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Complete if Known		
Application Number	09/857,797	
Filing Date	September 13, 2001	
First Named Inventor	John Walker	
Art Unit	1644	
Examiner Name	Kim, Yunsoo	
Attorney Docket Number	PC22142A	

U.S. PATENT DOCUMENTS					
		Document Number			Pages, Columns, Lines,
EXAMINER   Cite   No.1		Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear
		US 5,109,026	04-28-1992	Hoskinson et al.	
		US 5,378,688	01-03-1995	Nett et al.	
		US 5,403,586	04-04-1995	Russel-Jones et al.	and the state of t
		US 5,614,487	03-25-1997	Battersby et al.	
		US 5,688,506	10-23-1996	Grimes et al.	
		US 4,691,008	09-01-1987	Rainer Uhmann	
2		US 5,324,512	06-28-1994	Anna E. Ladd	
		US 5,684,145	11-04-1997	Anna Van Der Zee	
		US 6,013,770	01-11-2000	Jerry J. Reeves	

EXAMINER INITIAL	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			T <sub>e</sub>
		EP 0 156 280	02-07-1990	Hoechst Aktiengesellschaft		
		GB 2 228 262	08-22-1990	National Institute of Immunology		
		WO 88/05308	07-28-1988	Commonwealth Scientific and Industrial Research Organisation		
		WO 97/15316	05-01-1997	Merck & Co., Inc.		
		WO 98/06848	02-19-1998	Andrew Potter et al.		

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				Examiner Name	Kim, Yunsoo	
Sheet	2	of	3	Attorney Docket Number	PC22142A	

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1		T²
	1.	Ulker, H. et al.; Small Ruminant Research; Vol. 45 pp. 273-278 (2002).	
	2.	Earl, Elizabeth R., et al.; Vaccine; Vol. 24 pp. 3172-3183 (2006).	
	3.	Prendiville, et al.; J. Anim. Sci.; Vol. 73 pp. 3030-3037 (1995).	
	4.	Finnerty, et al, J. Reproduction and Fertility; Vol. 101 pp. 333-343 (1994).	
	5.	Abaza, et al.; J. of Protein Chemistry; Vol. 11, No. 5, pp. 433-444 (1992).	-
	6.	Bowers, et al.; endocrinology; Vol. 106, No. 3, pp. 674-683 (1980).	,
	7.	Kaistha, et al.; Indian J. Pathiol Microbiol; Vol. 39, No. 4, pp. 287-292 (1996).	
	8.	Kuby, et al.; Immunology, Second Edition; pp. 86-96 (1994).	<u>-</u> -
	9.	Ngo, et al.; The Protein Folding Problem and Tertiary Structure Predictions; pp. 492-495 (1994).	
	10.	Singh, et al.; Biochem Int.; Vol. 25, No. 3, pp. 509-520 (1991).	
	11.	Talwar, et al.; Int. J. Immunopharmacol; Vol. 14, No. 3, pp. 511-514 (1992).	
	12.	J. A. Turkstra, et al.; Anim. Reproduction Sci.; pp. 247-259.	
	13.	R. J. Parkinson, et al.; Urology; Vol. 45 pp. 171-175 (2004).	
	14.	T. A. E. Stout, et al.; Anim. Reproduction Sci.; Vol. 82-83, pp. 633-643.	
	15.	C.A. Herbert, et al.; Anim. Reproduction Sci.; Vol. 88, pp. 141-153.	
	16.	M. Bonneau, et al.; J. Animal Sci.; Vol. 72, pp. 14-20 (1994).	
	17.	R. E. Flavo, et al.; J. Animal Sci.; Vol. 63, pp. 986-994 (1986).	
1	18.	G. Hagen, et al.; Proc. 11 <sup>th</sup> Congress on Animal Production; Abstract 493 (1988).	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	19.	A. Ladd, et al.; Amer. J. Reproductive Immunology; Vol. 22, pp. 56-63 (1990).
	20.	S. Sad, et al.; Immunology; Vol. 74, pp. 223-227 (1991).
	21.	Meloen, et al.; Vaccine; Vol. 12, pp. 741-746 (1994).
	22.	C. A. Awonyi, et al.; Andrology; Vol. 9, pp. 160-171 (1988).
	23.	A. Van der Zee, et al.; Vaccine; Vol. 13, pp. 753-758 (1995).
-	24.	R. M. Hoskinson, et al.; Australian J. of Biotechnology; Vol. 4 pp. 166-170 (1990).
	25.	I. S. Robertson, et al.; Vet. Record; Vol. 111, pp. 529-531 (1982).
	26.	I. A. Jeffcoate, et al.; Theriogenology; Vol. 18, pp. 65-77 (1982).
	27.	A. Caraty, et al.; C.R. Acad. Sci. Paris; 303 Series III No. 16, pp. 673-683 (1986).
	28.	F. r., Dunshea, et al.; J. Anim. Sci.; Vol. 79, pp. 2524-2535 (2001).
	29.	X. Y, Zeng, et al.; Anim. Reproduction Sci.; Vol. 70, pp. 223-233 (2002).
	30.	G. Killian, et al.; Amer. J. of reproductive Immunology; Vol. 55, pp. 378-384 (2006).
		1

EXAMINER	DATE CONSIDERED